

Title (en)
VALVE ARRANGEMENT AND METHOD FOR OPERATING A VALVE

Title (de)
VENTILANORDNUNG UND VERFAHREN ZUM BETRIEB DES VENTILS

Title (fr)
DÉ

Publication
EP 4141608 A1 20230301 (EN)

Application
EP 22192791 A 20220830

Priority

- DK PA202100847 A 20210831
- EP 2022070810 W 20220830

Abstract (en)

Valve arrangement (1) comprising a flow control section (3) having a basic characteristic curve (16B) representing a relation between a flow and an opening degree of the flow control section (3), a pressure control section (4) keeping constant a pressure over the flow control section (3), control means (7) having a flow set-value input (8) and controlling an opening degree of the flow control section (3) depending on a flow set-value received via the flow set-value input (8), and a flow meter (9) measuring an actual value of flow through the flow control section (3), wherein the basic characteristic curve (16B) is modified by the control means (7) to become a modified characteristic curve (16M) when a difference between the flow set-value and the actual value of the flow exceeds a predetermined threshold value.

IPC 8 full level
G05D 7/06 (2006.01); **F16K 31/00** (2006.01)

CPC (source: EP)
F16K 31/00 (2013.01); **G05D 7/0635** (2013.01)

Citation (applicant)

- EP 1652014 A1 20060503 - DANFOSS AS [DK]
- EP 3486691 A1 20190522 - SONY CORP [JP]

Citation (search report)

- [XI] US 2015057816 A1 20150226 - SCHICK RUDOLF J [US], et al
- [A] US 2019018432 A1 20190117 - PETRY KARL-HEINZ [CH]

Designated contracting state (EPC)
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